CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/613,413B_   CRF Edit Date: _9/16/04_
Edited by: _ZQ_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

ENTERED

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

_✓_ Deleted: _✓_ invalid beginning/end-of-file text ; ____ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

IFW16

RAW SEQUENCE LISTING   DATE: 09/16/2004
PATENT APPLICATION: US/10/613,413B   TIME: 16:17:06

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\09162004\J613413B.raw**

```
     4 <110> APPLICANT: Sleeman, Matthew
     5         Murison, Greg
     7 <120> TITLE OF INVENTION: Fibroblast Growth Factor Receptors and Methods for Their Use
     9 <130> FILE REFERENCE: 11000.1037c5
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/613,413B
C--> 11 <141> CURRENT FILING DATE: 2003-07-03
    11 <150> PRIOR APPLICATION NUMBER: U.S. 09/823,038
    12 <151> PRIOR FILING DATE: 2001-03-28
    14 <150> PRIOR APPLICATION NUMBER: U.S. 09/383,586
    15 <151> PRIOR FILING DATE: 1999-08-26
    17 <150> PRIOR APPLICATION NUMBER: U.S. 09/276,268
    18 <151> PRIOR FILING DATE: 1999-03-25
    20 <150> PRIOR APPLICATION NUMBER: PCT/NZ00/00015
    21 <151> PRIOR FILING DATE: 2000-02-18
    23 <150> PRIOR APPLICATION NUMBER: U.S. 60/221,216
    24 <151> PRIOR FILING DATE: 2000-07-25
    26 <150> PRIOR APPLICATION NUMBER: U.S. 10/157,444
    27 <151> PRIOR FILING DATE: 2000-05-28
    29 <150> PRIOR APPLICATION NUMBER: PCT/NZ03/00105
    30 <151> PRIOR FILING DATE: 2003-05-27
    32 <160> NUMBER OF SEQ ID NOS: 145
    34 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    36 <210> SEQ ID NO: 1
    37 <211> LENGTH: 384
    38 <212> TYPE: DNA
    39 <213> ORGANISM: Mouse
    41 <220> FEATURE:
    42 <221> NAME/KEY: misc_feature
    43 <222> LOCATION: (1)...(384)
    44 <223> OTHER INFORMATION: n = A,T,C or G
    46 <400> SEQUENCE: 1
    47 ggtggacttc ggtgggacaa cgtccttcca gtgcaaggtg cgcagtgacg tgaagcctgt      60
    48 gatccagtgg ctgaagcggg tggagtacgg ctccgaggga cgccacaact ccaccattga     120
    49 tgtgggtggc cagaagtttg tggtgttgcc cacgggtgat gtgtggtcac ggcctgatgg     180
    50 ctcctacctc aacaagctgc tcatctctcg ggcccgccag gatgatgctg gcatgtacat     240
    51 ctgcctaggt gcaaatacca tgggctacag tttccgtagc gccttcctca ctgtattacc     300
    52 agaccccaaa cctccagggc ctcctatggc ttcttcatcg tcatccacaa gcctgccatg     360
W--> 53 gcctgtggng atcggcatcc cagc                                           384
    55 <210> SEQ ID NO: 2
    56 <211> LENGTH: 1967
    57 <212> TYPE: DNA
    58 <213> ORGANISM: Mouse
    60 <400> SEQUENCE: 2
```

RAW SEQUENCE LISTING   DATE: 09/16/2004
PATENT APPLICATION: US/10/613,413B   TIME: 16:17:06

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\09162004\J613413B.raw**

```
 61 gctgcgcgcc cccgcgctga tccctgtcga gcgtctacgc gcctcgcttc ctttgcctgg    60
 62 agctcggcgc cgaggggggc cggaccctgg ctctgcggcc gcgacctggg tcttgcgggc   120
 63 ctgagccctg agtggcgtcc agtccagctc ccagtgaccg cgcccctgct tcaggtccga   180
 64 ccggcgagat gacgcggagc cccgcgctgc tgctgctgct attggggggcc ctcccgtcgg   240
 65 ctgaggcggc gcgaggaccc ccaagaatgg cagacaaagt ggtcccacgg caggtggccc   300
 66 gcctgggccg cactgtgcgg ctacagtgcc cagtggaggg ggacccacca ccgttgacca   360
 67 tgtggaccaa agatggccgc acaatccaca gtggctggag ccgcttccgt gtgctgcccc   420
 68 agggtctgaa ggtgaaggag gtggaggccg aggatgccgg tgtttatgtg tgcaaggcca   480
 69 ccaatggctt tggcagcctc agcgtcaact acactctcat catcatggat gatattagtc   540
 70 cagggaagga gagccctggg ccaggtggtt cttcggggggg ccaggaggac ccagccagcc   600
 71 agcagtgggc acggcctcgc ttcacacagc cctccaagat gaggcgccga gtgattgcac   660
 72 ggcctgtggg tagctctgtg cggctcaagt gtgtggccag tgggcaccca cggccagaca   720
 73 tcatgtggat gaaggatgac cagaccttga cgcatctaga ggctagtgaa cacagaaaga   780
 74 agaagtggac actgagcttg aagaacctga agcctgaaga cagtggcaag tacacgtgcc   840
 75 gtgtatctaa caaggccggt gccatcaacg ccacctacaa agtggatgta atccagcgga   900
 76 ctcgttccaa gcctgtgctc acagggacac accctgtgaa cacaacggtg gacttcggtg   960
 77 ggacaacgtc cttccagtgc aaggtgcgca gtgacgtgaa gcctgtgatc cagtggctga  1020
 78 agcgggtgga gtacggctcc gagggacgcc acaactccac cattgatgtg ggtggccaga  1080
 79 agtttgtggt gttgcccacg ggtgatgtgt ggtcacggcc tgatggctcc tacctcaaca  1140
 80 agctgctcat ctctcgggcc cgccaggatg atgctggcat gtacatctgc ctaggtgcaa  1200
 81 ataccatggg ctacagtttc cgtagcgcct tcctcactgt attaccagac cccaaacctc  1260
 82 cagggcctcc tatggcttct tcatcgtcat ccacaagcct gccatggcct gtggtgatcg  1320
 83 gcatcccagc tggtgctgtc ttcatcctag gcactgtgct gctctggctt tgccagacca  1380
 84 agaagaagcc atgtgcccca gcatctacac ttcctgtgcc tgggcatcgt cccccaggga  1440
 85 catcccgaga acgcagtggt gacaaggacc tgccctcatt ggctgtgggc atatgtgagg  1500
 86 agcatggatc cgccatggcc ccccagcaca tcctggcctc tggctcaact gctggcccca  1560
 87 agctgtaccc caagctatac acagatgtgc acacacacac acatacacac acctgcactc  1620
 88 acacgctctc atgtggaggg caaggttcat caacaccagc atgtccacta tcagtgctaa  1680
 89 atacagcgaa tctccaagca ctgtgtcctg aggtaggcat atgggggcca aggcaacagg  1740
 90 ttgggagaat tgagaacaat ggaggaagag tatcttaggg tgccttatgg tggacactca  1800
 91 caaacttggc catatagatg tatgtactac cagatgaaca gccagccaga ttcacacacg  1860
 92 cacatgttta aacgtgtaaa cgtgtgcaca actgcacaca caacctgaga aaccttcagg  1920
 93 aggatttggg gtgtgacttt gcagtgacat gtagcgatgg ctagttg               1967
 95 <210> SEQ ID NO: 3
 96 <211> LENGTH: 1742
 97 <212> TYPE: DNA
 98 <213> ORGANISM: Mouse
100 <400> SEQUENCE: 3
101 gcgcggcgcc ccgggcccct cgccccgccg ccctcttcc ccgccctcgc caagcctcgc    60
102 cgtttatccg cgcggacagc gcgccccgcg ccccagcccg gccctagccg ccagcgccca   120
103 ggtagcgccg ccccgcccag gccgggcccg ggggcgcggg gggcgggatg cggcgcccgg   180
104 ggcagcgatg accgcgtcgc gctgctcagg ggcccggctc tgaccccgtt gcctgctgcg   240
105 cgcccccgcg ctgatccctg tcgagcgtct acgcgcctcg cttcctttgc ctggagctcg   300
106 gcgccgaggg gggccggacc ctggctctgc ggccgcgacc tgggtcttgc gggcctgagc   360
107 cctgagtggc gtccagtcca gctcccagtg accgcgcccc tgcttcaggt ccgaccggcg   420
109 agatgacgcg gagccccgcg ctgctgctgc tgctattggg ggccctcccg tcggctgagg   480
110 cggcgcgaga tgatattagt ccagggaagg agagccctgg gccaggtggt tcttcggggg   540
111 gccaggagga cccagccagc cagcagtggg cacggcctcg cttcacacag ccctccaaga   600
112 tgaggcgccg agtgattgca cggcctgtgg gtagctctgt gcggctcaag tgtgtggcca   660
```

```
113 gtgggcaccc acggccagac atcatgtgga tgaaggatga ccagaccttg acgcatctag      720
114 aggctagtga acacagaaag aagaagtgga cactgagctt gaagaacctg aagcctgaag      780
115 acagtggcaa gtacacgtgc cgtgtatcta acaaggccgg tgccatcaac gccacctaca      840
116 aagtggatgt aatccagcgg actcgttcca agcctgtgct cacagggaca caccctgtga      900
117 acacaacggt ggacttcggt gggacaacgt ccttccagtg caaggtgcgc agtgacgtga      960
118 agcctgtgat ccagtggctg aagcgggtgg agtacggctc cgagggacgc cacaactcca     1020
119 ccattgatgt gggtggccag aagtttgtgg tgttgcccac gggtgatgtg tggtcacggc     1080
120 ctgatggctc ctacctcaac aagctgctca tctctcgggc ccgccaggat gatgctggca     1140
121 tgtacatctg cctaggtgca aataccatgg gctacagttt ccgtagcgcc ttcctcactg     1200
122 tattaccaga ccccaaacct cctccagggc ctcctatggc ttcttcatcg tcatccacaa     1260
123 gcctgccatg gcctgtggtg atcggcatcc cagctggtgc tgtcttcatc ctaggcactg     1320
124 tgctgctctg gctttgccag accaagaaga agccatgtgc cccagcatct acacttcctg     1380
125 tgcctgggca tcgtccccca gggacatccc gagaacgcag tggtgacaag gacctgccct     1440
126 cattggctgt gggcatatgt gaggagcatg gatccgccat ggcccccag cacatcctgg     1500
127 cctctggctc aactgctggc cccaagctgt accccaagct atacacagat gtgcacacac     1560
128 acacacatac acacacctgc actcacacgc tctcatgtgg agggcaaggt tcatcaacac     1620
129 cagcatgtcc actatcagtg ctaaatacag cgaatctcca agcactgtgt cctgaggtag     1680
130 gcatatgggg gccaaggcaa caggttggga gaattgagaa caatggagga agagtatctt     1740
131 ag                                                                     1742
133 <210> SEQ ID NO: 4
134 <211> LENGTH: 1004
135 <212> TYPE: DNA
136 <213> ORGANISM: Human
138 <400> SEQUENCE: 4
139 gcggccgcga ccccaggtcc ggacaggccg agatgacgcc gagcccctg ttgctgctcc       60
140 tgctgccgcc gctgctgctg ggggccttcc caccggccgc cgccgcccga ggccccccaa      120
141 agatggcgga caaggtggtc ccacggcagg tggccggctg ggccgcactg tgcggctgca      180
142 gtgccagtgg agggggaccc gccgccgctg accatgtgga ccaaggatgg ccgcaccatc      240
143 cacagcggct ggagccgctt ccgcgtgctg ccgcagggc tgaaggtgaa gcaggtggag      300
144 cgggaggatg ccggcgtgta cgtgtgcaag gccaccaacg gcttcggcag ccttagcgtc      360
145 aactacaccc tcgtcgtgct ggatgacatt agcccaggga aggagagcct ggggcccgac      420
146 agctcctctg ggggtcaaga ggaccccgcc agccagcagt gggcacgacc gcgcttcaca      480
147 cagccctcca agatgaggcg ccgggtgatc gcacggcccg tgggtagctc cgtgcggctc      540
148 aagtgcgtgg ccagcgggca ccctcggccc gacatcacgt ggatgaagga cgaccaggcc      600
149 ttgacgcgcc cagaggccgc tgagcccagg aagaagaagt ggacactgag cctgaagaac      660
150 ctgcggccgg aggacagcgg caaatacacc tgccgcgtgt cgaaccgcgc gggcgccatc      720
151 aacgccacct acaaggtgga tgtgatccag cggacccgtt ccaagcccgt gctcacaggc      780
152 acgcaccccg tgaacacgac ggtggacttc gggggaccca cgtccttcca gtgcaaggtg      840
153 cgcagcgacg tgaagccggt gatccagtgg ctgaagcgcg tggagtacgg cgccgaggc      900
154 cgccacaact ccaccatcga tgtgggcggc cagaagtttg tggtgctgcc cacgggtgac      960
155 gtgtggtcgc ggcccgacgg ctcctacctc aataagccgc tccc                      1004
157 <210> SEQ ID NO: 5
158 <211> LENGTH: 126
159 <212> TYPE: PRT
160 <213> ORGANISM: Mouse
162 <220> FEATURE:
163 <221> NAME/KEY: VARIANT
164 <222> LOCATION: (1)...(126)
165 <223> OTHER INFORMATION: Xaa = Any Amino Acid
```

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\09162004\J613413B.raw**

```
167 <400> SEQUENCE: 5
168 Val Asp Phe Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser Asp
169 1               5                   10              15
170 Val Lys Pro Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu
171             20                  25                  30
172 Gly Arg His Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val Val
173             35                  40                  45
174 Leu Pro Thr Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn
175     50                  55                  60
176 Lys Leu Leu Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile
177 65                  70                  75                  80
178 Cys Leu Gly Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu
179             85                  90                  95
180 Thr Val Leu Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala Ser Ser
181             100                 105                 110
```
W--> `182 Ser Ser Ser Thr Ser Leu Pro Trp Pro Val Xaa Gly Ile Pro`
```
183             115                 120                 125
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 529
187 <212> TYPE: PRT
188 <213> ORGANISM: Mouse
190 <400> SEQUENCE: 6
191 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Gly Ala Leu Pro
192 1               5                   10                  15
193 Ser Ala Glu Ala Ala Arg Gly Pro Pro Arg Met Ala Asp Lys Val Val
194             20                  25                  30
195 Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg Leu Gln Cys Pro
196             35                  40                  45
197 Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg
198     50                  55                  60
199 Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu
200 65                  70                  75                  80
201 Lys Val Lys Glu Val Glu Ala Glu Asp Ala Gly Val Tyr Val Cys Lys
202             85                  90                  95
203 Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Ile Ile
204             100                 105                 110
205 Met Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro Gly Pro Gly Gly Ser
206             115                 120                 125
207 Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln Trp Ala Arg Pro Arg
208     130                 135                 140
209 Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val Ile Ala Arg Pro Val
210 145                 150                 155                 160
211 Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser Gly His Pro Arg Pro
212             165                 170                 175
213 Asp Ile Met Trp Met Lys Asp Asp Gln Thr Leu Thr His Leu Glu Ala
214             180                 185                 190
215 Ser Glu His Arg Lys Lys Lys Trp Thr Leu Ser Leu Lys Asn Leu Lys
216     195                 200                 205
217 Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val Ser Asn Lys Ala Gly
```

```
218      210                      215                      220
219 Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile Gln Arg Thr Arg Ser
220 225                  230                      235                      240
221 Lys Pro Val Leu Thr Gly Thr His Pro Val Asn Thr Thr Val Asp Phe
222                      245                      250                      255
223 Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser Asp Val Lys Pro
224                      260                      265                      270
225 Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu Gly Arg His
226              275                      280                      285
227 Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val Val Leu Pro Thr
228          290                      295                      300
229 Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn Lys Leu Leu
230 305                      310                      315                      320
231 Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile Cys Leu Gly
232                      325                      330                      335
233 Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu Thr Val Leu
234              340                      345                      350
235 Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala Ser Ser Ser Ser Ser
236              355                      360                      365
237 Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile Pro Ala Gly Ala Val
238          370                      375                      380
239 Phe Ile Leu Gly Thr Val Leu Leu Trp Leu Cys Gln Thr Lys Lys Lys
240 385                      390                      395                      400
241 Pro Cys Ala Pro Ala Ser Thr Leu Pro Val Pro Gly His Arg Pro Pro
242                      405                      410                      415
243 Gly Thr Ser Arg Glu Arg Ser Gly Asp Lys Asp Leu Pro Ser Leu Ala
244              420                      425                      430
245 Val Gly Ile Cys Glu Glu His Gly Ser Ala Met Ala Pro Gln His Ile
246          435                      440                      445
247 Leu Ala Ser Gly Ser Thr Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr
248      450                      455                      460
249 Thr Asp Val His Thr His Thr His Thr His Thr Cys Thr His Thr Leu
250 465                      470                      475                      480
251 Ser Cys Gly Gly Gln Gly Ser Ser Thr Pro Ala Cys Pro Leu Ser Val
252              485                      490                      495
253 Leu Asn Thr Ala Asn Leu Gln Ala Leu Cys Pro Glu Val Gly Ile Trp
254          500                      505                      510
255 Gly Pro Arg Gln Gln Val Gly Arg Ile Glu Asn Asn Gly Gly Arg Val
256          515                      520                      525
257 Ser
260 <210> SEQ ID NO: 7
261 <211> LENGTH: 439
262 <212> TYPE: PRT
263 <213> ORGANISM: Mouse
265 <400> SEQUENCE: 7
266 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Leu Gly Ala Leu Pro
267 1                5                      10                      15
268 Ser Ala Glu Ala Ala Arg Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro
269              20                      25                      30
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/16/2004
PATENT APPLICATION: US/10/613,413B   TIME: 16:17:07

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\09162004\J613413B.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 369
Seq#:5; Xaa Pos. 123

VERIFICATION SUMMARY   DATE: 09/16/2004
PATENT APPLICATION: **US/10/613,413B**   TIME: 16:17:07

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\09162004\J613413B.raw**

```
L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:112
```

IFW16

RAW SEQUENCE LISTING   DATE: 09/15/2004
PATENT APPLICATION: **US/10/613,413B**   TIME: 11:28:08

Input Set : **A:\pto.1m.txt**
Output Set: **N:\CRF4\09152004\J613413B.raw**

```
   4 <110> APPLICANT: Sleeman, Matthew
   5        Murison, Greg
   7 <120> TITLE OF INVENTION: Fibroblast Growth Factor Receptors and Methods for Their Use
   9 <130> FILE REFERENCE: 11000.1037c5
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/613,413B
C--> 11 <141> CURRENT FILING DATE: 2003-07-03
  11 <150> PRIOR APPLICATION NUMBER: U.S. 09/823,038
  12 <151> PRIOR FILING DATE: 2001-03-28
  14 <150> PRIOR APPLICATION NUMBER: U.S. 09/383,586
  15 <151> PRIOR FILING DATE: 1999-08-26
  17 <150> PRIOR APPLICATION NUMBER: U.S. 09/276,268
  18 <151> PRIOR FILING DATE: 1999-03-25
  20 <150> PRIOR APPLICATION NUMBER: PCT/NZ00/00015
  21 <151> PRIOR FILING DATE: 2000-02-18
  23 <150> PRIOR APPLICATION NUMBER: U.S. 60/221,216
  24 <151> PRIOR FILING DATE: 2000-07-25
  26 <150> PRIOR APPLICATION NUMBER: U.S. 10/157,444
  27 <151> PRIOR FILING DATE: 2000-05-28
  29 <150> PRIOR APPLICATION NUMBER: PCT/NZ03/00105
  30 <151> PRIOR FILING DATE: 2003-05-27
  32 <160> NUMBER OF SEQ ID NOS: 145
  34 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

Does Not Comply
Correcting Diskette Needed
(P9.2-3)

ERRORED SEQUENCES

```
4584 <210> SEQ ID NO: 145
4585 <211> LENGTH: 462
4586 <212> TYPE: PRT
4587 <213> ORGANISM: Mouse
4589 <400> SEQUENCE: 145
4590 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Leu Gly Ala Leu Pro
4591 1               5                   10                  15
4592 Ser Ala Glu Ala Ala Arg Gly Pro Pro Arg Met Ala Asp Lys Val Val
4593             20                  25                  30
4594 Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg Leu Gln Cys Pro
4595         35                  40                  45
4596 Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg
4597         50                  55                  60
4598 Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu
4599 65                  70                  75                  80
4600 Lys Val Lys Glu Val Glu Ala Glu Asp Ala Gly Val Tyr Val Cys Lys
4601             85                  90                  95
```

```
4602 Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Ile Met
4603             100             105             110
4604 Trp Met Lys Asp Asp Gln Thr Leu Thr His Leu Glu Ala Ser Glu His
4605         115             120             125
4606 Arg Lys Lys Lys Trp Thr Leu Ser Leu Lys Asn Leu Lys Pro Glu Asp
4607     130             135             140
4608 Ser Gly Lys Tyr Thr Cys Arg Val Ser Asn Lys Ala Gly Ala Ile Asn
4609 145             150             155             160
4610 Ala Thr Tyr Lys Val Asp Val Ile Gln Arg Thr Arg Ser Lys Pro Val
4611             165             170             175
4612 Leu Thr Gly Thr His Pro Val Asn Thr Thr Val Asp Phe Gly Gly Thr
4613             180             185             190
4614 Thr Ser Phe Gln Cys Lys Val Arg Ser Asp Val Lys Pro Val Ile Gln
4615         195             200             205
4616 Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu Gly Arg His Asn Ser Thr
4617     210             215             220
4618 Ile Asp Val Gly Gly Gln Lys Phe Val Val Leu Pro Thr Gly Asp Val
4619 225             230             235             240
4620 Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn Lys Leu Leu Ile Ser Arg
4621             245             250             255
4622 Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile Cys Leu Gly Ala Asn Thr
4623             260             265             270
4624 Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu Thr Val Leu Pro Asp Pro
4625             275             280             285
4626 Lys Pro Pro Gly Pro Pro Met Ala Ser Ser Ser Ser Thr Ser Leu
4627     290             295             300
4628 Pro Trp Pro Val Val Ile Gly Ile Pro Ala Gly Ala Val Phe Ile Leu
4629 305             310             315             320
4630 Gly Thr Val Leu Leu Trp Leu Cys Gln Thr Lys Lys Lys Pro Cys Ala
4631             325             330             335
4632 Pro Ala Ser Thr Leu Pro Val Pro Gly His Arg Pro Pro Gly Thr Ser
4633             340             345             350
4634 Arg Glu Arg Ser Gly Asp Lys Asp Leu Pro Ser Leu Ala Val Gly Ile
4635             355             360             365
4636 Cys Glu Glu His Gly Ser Ala Met Ala Pro Gln His Ile Leu Ala Ser
4637     370             375             380
4638 Gly Ser Thr Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr Thr Asp Val
4639 385             390             395             400
4640 His Thr His Thr His Thr His Thr Cys Thr His Thr Leu Ser Cys Gly
4641             405             410             415
4642 Gly Gln Gly Ser Ser Thr Pro Ala Cys Pro Leu Ser Val Leu Asn Thr
4643             420             425             430
4644 Ala Asn Leu Gln Ala Leu Cys Pro Glu Val Gly Ile Trp Gly Pro Arg
4645         435             440             445
4646 Gln Gln Val Gly Arg Ile Glu Asn Asn Gly Gly Arg Val Ser
4647         450             455             460
```

E--> 4648 (82)

delete

VERIFICATION SUMMARY   DATE: 09/15/2004
PATENT APPLICATION: **US/10/613,413B**   TIME: 11:28:09

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\09152004\J613413B.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:112
L:4648 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:145